

Hongjun Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36

papers

1,122

citations

18

h-index

33

g-index

59

ext. papers

1,351

ext. citations

5.9

avg, IF

3.76

L-index

#	Paper	IF	Citations
36	Progress in 2D photonic crystal Fano resonance photonics. <i>Progress in Quantum Electronics</i> , 2014 , 38, 1-74	9.1	165
35	Transfer-printed stacked nanomembrane lasers on silicon. <i>Nature Photonics</i> , 2012 , 6, 615-620	33.9	147
34	Microstructured surface design for omnidirectional antireflection coatings on solar cells. <i>Journal of Applied Physics</i> , 2007 , 102, 103105	2.5	104
33	Approaching total absorption at near infrared in a large area monolayer graphene by critical coupling. <i>Applied Physics Letters</i> , 2014 , 105, 181105	3.4	83
32	Flexible Phototransistors Based on Single-Crystalline Silicon Nanomembranes. <i>Advanced Optical Materials</i> , 2016 , 4, 120-125	8.1	65
31	Fano filters based on transferred silicon nanomembranes on plastic substrates. <i>Applied Physics Letters</i> , 2008 , 93, 061106	3.4	54
30	Surface texturing by solution deposition for omnidirectional antireflection. <i>Applied Physics Letters</i> , 2007 , 91, 081118	3.4	53
29	Large-area InP-based crystalline nanomembrane flexible photodetectors. <i>Applied Physics Letters</i> , 2010 , 96, 121107	3.4	52
28	Flexible photonic-crystal Fano filters based on transferred semiconductor nanomembranes. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 234007	3	49
27	Coupled double-layer Fano resonance photonic crystal filters with lattice-displacement. <i>Applied Physics Letters</i> , 2013 , 103, 241106	3.4	43
26	Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon. <i>Advanced Materials</i> , 2018 , 30, e1801584	24	36
25	Polarization and angular dependent transmissions on transferred nanomembrane Fano filters. <i>Optics Express</i> , 2009 , 17, 8396-406	3.3	35
24	Optofluidic Fano resonance photonic crystal refractometric sensors. <i>Applied Physics Letters</i> , 2017 , 110, 091105	3.4	26
23	Large-Area Printed Broadband Membrane Reflectors by Laser Interference Lithography. <i>IEEE Photonics Journal</i> , 2013 , 5, 2200106-2200106	1.8	25
22	Printed Large-Area Single-Mode Photonic Crystal Bandedge Surface-Emitting Lasers on Silicon. <i>Scientific Reports</i> , 2016 , 6, 18860	4.9	23
21	Polarization independent broadband reflectors based on cross-stacked gratings. <i>Optics Express</i> , 2011 , 19, 9050-5	3.3	22
20	Resonance control of membrane reflectors with effective index engineering. <i>Applied Physics Letters</i> , 2009 , 95, 023110	3.4	21

19	Broadband Membrane Reflectors on Glass. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 476-478	2.2	18
18	Design of Fano Broadband Reflectors on SOI. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 1108-1110	2.2	17
17	Transferred Flexible Three-Color Silicon Membrane Photodetector Arrays. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-6	1.8	12
16	Semiconductor nanomembranes for integrated silicon photonics and flexible Photonics. <i>Optical and Quantum Electronics</i> , 2012 , 44, 605-611	2.4	12
15	Colloidal quantum dot absorption enhancement in flexible Fano filters. <i>Applied Physics Letters</i> , 2010 , 96, 083111	3.4	12
14	Photonic crystal bandedge membrane lasers on silicon. <i>Applied Optics</i> , 2017 , 56, H67-H73	1.7	10
13	Transfer Printed Nanomembranes for Heterogeneously Integrated Membrane Photonics. <i>Photonics</i> , 2015 , 2, 1081-1100	2.2	10
12	On-Chip Photonic Crystal Surface-Emitting Membrane Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-11	3.8	7
11	Selective release of InP heterostructures from InP substrates. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016 , 34, 041229	1.3	5
10	Spectrally selective infrared absorption enhancement in photonic crystal cavities 2008 ,		3
9	Semiconductor nanomembranes for stacked and flexible photonics 2010 ,		2
8	Design and Characterization of Photonic Crystal Membrane Reflector Based Vertical Cavity Surface Emitting Lasers on Silicon. <i>Reviews in Nanoscience and Nanotechnology</i> , 2014 , 3, 77-87		2
7	Optofluidic Double-layer Fano Resonance Photonic Crystal Slab Liquid Sensors 2015 ,		1
6	Semiconductor Nanomembranes for Fano Resonance Photonic Crystal Devices 2016 , 271-304		1
5	Optical Waveguides: Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon (Adv. Mater. 32/2018). <i>Advanced Materials</i> , 2018 , 30, 1870239 ²⁴		1
4	Flexible three-color silicon membrane photodetector arrays 2014 ,		1
3	Flexible crystalline InP nanomembrane LED arrays 2010 ,		1
2	Crystalline silicon nanomembrane stacking for large-area flexible photodetectors 2009 ,		1

1 Semiconductor nanomembranes for integrated and flexible photonics **2011**,

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